P.W.G. 17 — 1st and part bill — Original/Duplicate/Triplicate

NO

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division Yelahanka — Sub division Yelahanka New Town — Date

Bills received No — Date

YNK-DBR No. 36
Date 17.11.17

Sub-divisional — Cash book vr No
Divisional — Date
Head of account 8-1802

Scheduled Docket No

Name of work(as per sanctioned estimate)

Work code:003-17-000055

NAME OF WORK : **Maintenance of power pumps in ward no 03**

Name of contractor and full address - Pradeepa K A

Reference to agreement No - 13 — Estimated cost :20.00 — W.O dated 13/17-18, dt 27/04/2017

Certified that the measurments were taken by me on 30/10/17 and recorded on pages 4G2354 to 4G2367 of measurment book No 4624 and the work is satisfactorily executed by the contractor

Signature of contractor

Assistant Engineer

Certified that the measurments were taken by me on 30/10/17 and recorded correct The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this securty. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon A formal agreement signed and executed by the contractor is recorded in divisional office

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%		
3) Balance	1st and part	902738:00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No ----------dated----------S.D No----------Amount adjusted towards cash advance recovery of	CGST	9028:00
	SGST	9028:00
b) Cost of payments/stores or other materials supplied now made recovery of	IT	9028:00
	LC	9028:00
Amount paid on this bill by cheque/cash	CSF	902:00
Total	T.D	37014:00
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor	Net	865724:00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Reciept Stamp

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Date — Initials of officer making payment — Date

Audited & Admitted for Rs. 902738:00

865724:00

37014:00

by Cheque

by Abstement

Asst. Engineer
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Lifting of Submersible pump set **(P.40/I.13) PRED SR (2013-14) P-56 I.No**	No.			20.00	750.00	15000.00	20.00	15000.00
2	Transportation of pumping machineries PRED SR For 2012-13 **(P.41/I.14)PRED SR (2013-14) P.No 56 Item No 10-3-19**	No.			20.00	840.00	16800.00	20.00	16800.00
3	**A) Repairs to Motor:** Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. **PRED SR (2013-14) P No. 54/ I. No. A) (Above 5 HP upto 10HP add Rs.120/- for every ½ HP)**				20.00	3400.00	68000.00	20.00	68000.00
	B) 10 HP Motor	No.					0.00	0.00	0.00
	B) Replacement of Motor Parts:						0.00	0.00	0.00
4	Stator (with one year Guarantee) **P No. 55/ I No. C(1) PRED SR (2012-13) 10.3.3**	No.			20.00	4750.00	95000.00	20.00	95000.00
5	Rotor (with one year Guarantee) **P No. 55/ I No. C(2) PRED SR (2013-14) 10.3.6**	No.			20.00	4350.00	87000.00	20.00	87000.00
6	Upper Flange **P. No. 40 / I No. 10.3.7 PRED SR (2013-14)**	No.			20.00	310.00	6200.00	20.00	6200.00
7	Lower Housing **P. No. 55 / 1 No.10.3.10PRED SR (2013-14)**	No.			20.00	580.00	11600.00	20.00	11600.00
8	Lower flange **P. No. 40 / 1 No.5 PRED SR (2008-09)**	No.			20.00	320.00	6400.00	20.00	6400.00
9	Carbon Housing **P. No. 56 / 1 No.10.3.12 PRED SR (2012-13)**	No.			20.00	400.00	8000.00	20.00	8000.00

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
10	b) Thrust bearing block assembly complete with Segment bearing pad.**P. No. 40 / I No10.3.13PRED SR (2012-13**	No.			20.00	950.00	19000.00	20.00	19000.00
11	c)Top Carbon /Ferrodo padding **P. No. 56 / I No. PRED SR (2012-13)**	No.			20.00	120.00	2400.00	20.00	2400.00
12	Bearing (GunMetal) Centrifugal cast Aluminium Bronze, bearing bush **P. No. 56/ I No10.3.16 PRED SR (2013-14)**	No.			20.00	340.00	6800.00	20.00	6800.00
13	Motor Base with pin **P. No. 56 / I No.10.3.18 PRED SR (2013-14)**	No.			20.00	410.00	8200.00	20.00	8200.00
14	Re-erection charges of pumping machineries including overhauling and painting **P. No. 56 / I No.50 PRED SR (2013-14)**	No			20.00	910.00	18200.00	20.00	18200.00
15	Labour charges (overhauling only) **P. No. 55/ I No.10.3.22 PRED SR (2012-13)**	No.			20.00	500.00	10000.00	20.00	10000.00
	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement.						0.00	0.00	0.00
16	Pump Bowls **P. No. 54 / I No.10.2.1 PRED SR (2013-14**	No.			20.00	640.00	12800.00	20.00	12800.00
17	Intermediate piece (I.P) with IP leaded bronze bush **P. No. 54 / I No10.2.2 PRED SR (2012-13)**	No.			20.00	410.00	8200.00	20.00	8200.00
18	Oil Seal **P. No. 39 / I No.B3 PRED SR (2008-09)**	No.			20.00	100.00	2000.00	20.00	2000.00
19	Oil Seal Steel Bush **P. No. 54/ I No.10.24 PRED SR (2012-13)**	No.			20.00 2	120.00	2400.00	20.00	2400.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
20	Guide vane **P. No. 54 / I No.10.2.5 PRED SR (2012 13)**	No.			20.00	130.00	2600.00	20.00	2600.00
21	Impeller (Shell moulded with aluminium and Bronze) **P. No. 54/ I No.10.2.70 PRED SR (2012-13)**	No.			20.00	390.00	7800.00	20.00	7800.00
22	a) Discharge outlet (D.O) Bearing D.O Steel Bush **P. No.54 / I No.10.2.70 RDED SR (2012-13)**	No.			20.00	410.00	8200.00	20.00	8200.00
23	b) D.O Bearing **P. No. 54 / I No.10.2.8 PRED SR (2012-13)**	No.			20.00	240.00	4800.00	20.00	4800.00
24	Steel Bush (D.O.Steel bush) **P. No. 54 / I No.A710.2.9 PRED SR (2012-13)**	No.			20.00	130.00	2600.00	20.00	2600.00
25	Allen Screw **P. No. 55 / I No.8 PRED SR (2012-13)**	No.			20.00	20.00	400.00	20.00	400.00
26	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) **P. No. 55/ I No.10.2.11 PRED SR (2013-14))**	No.			20.00	910.00	18200.00	20.00	18200.00
27	Pump key (Stainless steel) **P. No. 55 / I No.10.2.12 PRED SR (2012-13))**	No.			20.00	110.00	2200.00	20.00	2200.00
28	Pump Coupling (Stainless steel) **P. No. 55/ I No.10.2.13PRED SR (2012 13)**	No.			20.00	200.00	4000.00	20.00	4000.00
29	Non – return valve (NRV) assembly complete with rubber 'O' Ring **P. No. 55 / I No.10.2.14PRED SR (2012-13)**	No.			30.00	1100.00	33000.00	30.00	33000.00
30	Cable Guard **P. No.55 / I No.10.2.15 PRED SR (2012-13)**	No.			60.00	110.00	6600.00	60.00	6600.00

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
31	Strainer **P. No. 55 / I No.10.2.16 PRED SR (2012-13)**	No.			30.00	110.00	3300.00	30.00	3300.00
32	Brass Filter **P. No. 55 / I No.10.2.17) PRED SR (2012-13)**	No.			30.00	210.00	6300.00	30.00	6300.00
33	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No.			6.00	940.00	5640.00	6.00	5640.00
34	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the condut etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia. (PWD Electrical SR-1999-2000. P-66. 1.No.7) KPWD Electrical SR 2007-08	No.			5.00	1750.00	8750.00	5.00	8750.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
35	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. 50 mm dia including Collar Heavy Class 2015-16, P-90, i.no13.15	No.			372.00	390.00	145080.00	372.00	145080.00
36	GI Collers	No.			320.00	90.00	28800.00	320.00	28800.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
37	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No 46/ I No. 30-B 4.0 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2007-08 3/2008-09 4538/19.01.2009 (1x3x4.00 Sqmm PVC cable)	mtr			824.00	140.00	115360.00	824.00	115360.00
	E) General Items						0.00	0.00	0.00
33	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m . in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, **No. 5/ Item No. 2.4/ PWD SR 2016-17**	Cum			59.60	270.00	16092.00	59.60	16092.00

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
34	Providing and instalation at site of works P.V.C. Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.3 item No.4.2 **PRE SR 2016-17**	Rmtr			134.50	150.00	20175.00	134.50	20175.00
35	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications. **No. 6/ Item No. 2.11/ PWD SR 2015-16**	Cum			59.60	60.00	3576.00	59.60	3576.00
36	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 (P.89/I.13.37 **PWD SR - 2016-17)**	Each			25.00	2000.00	50000.00	25.00	50000.00

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
37	Labour charges for attending to repairs of the P.V.C pipes by earth work excavation, cutting the old pipe, installation and jointing of new pipes to the existing old pipe to the depth, line and level, perfect linking at joints including encasing the pipes alround to a depth of not less than 15 cm with earth available and refilling the excavated trenches giving satisfactory hydraulic test et., complete (Excluding the cost of materials) **(P.6/I.9 PREC SR - 2016-17)**	Each			45.00	117.00	5265.00	45.00	5265.00
					TOTAL		902738.00		902738.00

Ward No 03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore